

ON-LINE UPS

ATLAS

1000VA/2000VA/3000VA

220V

Tower/rack mountable

FDC-1022R-I / FDC-2022R-I / FDC-3022R-I



The new Atlas online series provides true double-conversion technology and the highest level of protection suitable for critical equipment. This series combines an optimized level of performance with rich functionality, resulting in a highly efficient system that is easy to maintain and operate. Designed to prevent unexpected service interruptions due to overloads, internal fault conditions or during blackouts, the Atlas UPS ensures reliable and continuous operation through its internal battery pack and an optional external battery module. Ideal for high density power protection demands, the Atlas features a versatile rack/tower form factor to fit diverse environments.

Highlights

- Rack mountable / Tower conversion
- True double-conversion online UPS
- Output power factor 0.9
- User-friendly and easy-shift LCD display
- SNMP slot for network and sensor expansion
- 50/60Hz frequency converter mode
- ECO mode for energy saving
- Emergency Power Off Function (EPO)
- Includes ForzaTracker, a power monitoring and management software



Ideal for



PROTECTION LEVEL 6

- + Breaker
- + Surge Protector
- + Voltage Protector
- + Voltage Regulator
- + Power Back up
- + Double Conversion

MPN	FDC-1022R-I	FDC-2022R-I	FDC-3022R-I
General			
Capacity	1000VA/900W	2000VA/1800W	3000VA/2700W
Topology	Double conversion		
Input			
Nominal voltage	200-240VAC		
Voltage range (low line transfer)	180VAC / 160VAC / 140VAC / 120VAC ± 5% (based on load percentage 100%-80% / 80%-70% / 70%-60% / 60%-0%)		
Voltage range (low line comeback)	Low line transfer voltage + 15V		
Voltage range (high line transfer)	300VAC ± 5%		
Voltage range (high line comeback)	High line transfer voltage - 10V		
Frequency	40-70Hz		
Power factor	≥0.99 at 100% load		
Total harmonic distortion (THDi)	≤5% @ 100% load THDU <1.6%		
AC input	IEC (C14)		
Included cables	IEC C13 to NEMA 5-15P		
Output			
Nominal voltage	208/220/230/240VAC		
AC voltage regulation (battery mode)	± 1%		
Frequency (synchronized range)	47-53Hz @ 50Hz system / 57-63Hz @ 60Hz system		
Frequency (battery mode)	50Hz ± 0.1Hz or 60Hz ± 0.1Hz		
Power factor	0.9		
Efficiency (AC mode)	≥85%	≥88%	≥90%
Efficiency (battery mode)	≥83%	≥85%	≥88%
Transfer time (line to battery)	0ms		
Transfer time (inverter to bypass)	4ms		
Crest ratio	3:1		
Harmonic distortion	≤2% THD (linear load) / ≤4% THD (non-linear load)		
Waveform	Pure sine wave		
Total outlets	6 (IEC C13)	6 (IEC C13)	6 (IEC C13) / 1 (IEC C19)
Battery			
Battery type and quantity	12V / 9Ah (2)	12V / 9Ah (4)	12V / 9Ah (6)
Battery voltage	24VDC	48VDC	72VDC
Charging current	1A ± 10% (max.)		
Communications			
Visual indicators	Graphical LCD with blue backlight		
Audible	Battery Mode: Sounds every 5 seconds Low Battery: Sounds every 2 seconds Overload: Sounds every second Fault: Continuous sound		
Communication ports	SNMP, RS-232, USB		
Power management software	ForzaTracker		
Environment			
Operating temperature	32°F-104°F		
Storage temperature	UPS: -4°F-122°F		
Relative humidity	20-95% non-condensing		
Operating altitude	<4000 m Every 100 m above 1000 m decreases output power 1% up to 4000 m		
Audible noise	<50dB at 1 m (3.28 ft)		
Ventilation	Fan extraction		
Physical Appearance			
Product dimensions	12.2 x 17.2 x 3.5 in	16.1 x 17.2 x 3.5 in	24.8 x 17.2 x 3.5 in
Product weight	26.5 lb.	41.9 lb.	64.6 lb.
Cord length	6 ft	6 ft	6 ft
Additional Information			
Protection grade	IP20		
Warranty	2 years		
Certification	CE		
Included	Mounting bracket, tower base, USB cable, manual		

